

Applicants : Graham P. Allaway et al.  
Serial No. : Not Yet Known  
Filed : July 12, 2001  
Page 2

a later-filed application and add new claims 7-12 as follows:

- 7. (New) A method of inhibiting fusion of a macrophage-tropic primary isolate of HIV-1 to a CD4<sup>+</sup> cell susceptible to infection by a macrophage-tropic primary isolate of HIV-1 which comprises contacting the CD4<sup>+</sup> cell with an effective amount of an agent which is (1) capable of inhibiting fusion of a macrophage-tropic primary isolate of HIV-1 to a CD4<sup>+</sup> cell susceptible to infection by a macrophage-tropic primary isolate of HIV-1, but (2) not capable of inhibiting fusion of a T cell-tropic isolate of HIV-1 to a CD4<sup>+</sup> cell susceptible to infection by a T cell-tropic isolate of HIV-1, thereby inhibiting the fusion of the macrophage-tropic primary isolate of HIV-1 to the CD4<sup>+</sup> cell---
- 8. (New) The method of claim 7, wherein the agent is determined to be capable of inhibiting fusion of a macrophage-tropic primary isolate of HIV-1 to a CD4<sup>+</sup> cell but not capable of inhibiting fusion of a T cell-tropic isolate of HIV-1 to a CD4<sup>+</sup> cell using a method which comprises:  
(a) contacting (i) a first appropriate CD4<sup>+</sup> cell, which is labeled with a first dye, with (ii) a cell expressing an HIV-1 envelope glycoprotein of the macrophage-tropic primary isolate of HIV-1 on its surface, which is labeled with a second dye, in the presence of an excess of the agent under conditions which would normally permit the fusion of the CD4<sup>+</sup> cell to the cell expressing the HIV-1 envelope glycoprotein on its surface in the absence of the agent, the first and second dyes being selected so as to allow resonance energy transfer between the dyes;

Applicants : Graham P. Allaway  
Serial No. : 08/973,601  
Filed : March 16, 1998  
Page 3

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- (b) exposing the product of step (a) to conditions which would result in resonance energy transfer if fusion has occurred; and
  - (c) determining whether there is a reduction of resonance energy transfer, when compared with the resonance energy transfer in the absence of the agent;
  - (d) contacting (i) a second appropriate CD4<sup>+</sup> cell, which is labeled with a first dye, with (ii) a cell expressing an HIV-1 envelope glycoprotein of a T cell-tropic isolate of HIV-1 on its surface, which is labeled with a second dye, in the presence of an excess of the agent under conditions which would normally permit the fusion of the CD4<sup>+</sup> cell to the cell expressing the HIV-1 envelope glycoprotein on its surface in the absence of the agent, the first and second dyes being selected so as to allow resonance energy transfer between the dyes;
  - (e) exposing the product of step (d) to conditions which would result in resonance energy transfer if fusion has occurred;
  - (f) determining whether there is a reduction of resonance energy transfer, when compared with the resonance energy transfer in the absence of the agent; and
  - (g) comparing the determination made in step (c) with the determination made in step (f), wherein a decrease in transfer in step (c) but not in step (f) indicates that the agent is capable of specifically inhibiting fusion of the macrophage-tropic primary isolate of HIV-1 to CD4<sup>+</sup> cell, but not capable of specifically inhibiting the fusion of a T cell-tropic isolate of HIV-1 to the CD4<sup>+</sup> cell.--

Applicants : Graham P. Allaway et al.  
Serial No. : Not Yet Known  
Filed : July 12, 2001  
Page 4

--9. (New) The method of claim 7, wherein the agent is an antibody.--

*Protect*  
--10. (New) A method of inhibiting fusion of a T cell-tropic isolate of HIV-1 to a CD4<sup>+</sup> cell susceptible to infection by a T cell-tropic isolate of HIV-1 which comprises contacting the CD4<sup>+</sup> cell with an effective amount of an agent which is (1) capable of inhibiting fusion of a T cell-tropic isolate of HIV-1 to a CD4<sup>+</sup> cell susceptible to infection by a T cell-tropic isolate of HIV-1 but (2) not capable of inhibiting fusion of a macrophage-tropic primary isolate of HIV-1 to a CD4<sup>+</sup> cell susceptible to infection by a macrophage-tropic primary isolate of HIV-1, thereby inhibiting the fusion of the T cell-tropic isolate of HIV-1 to the CD4<sup>+</sup> cell.--

--11. (New) The method of claim 10, wherein the agent is determined to be capable of inhibiting fusion of a T cell-tropic isolate of HIV-1 to a CD4<sup>+</sup> cell but not capable of inhibiting fusion of a macrophage-tropic primary isolate of HIV-1 to a CD4<sup>+</sup> cell using a method which comprises:

(a) contacting (i) a first appropriate CD4<sup>+</sup> cell, which is labeled with a first dye, with (ii) a cell expressing an HIV-1 envelope glycoprotein of the macrophage-tropic primary isolate of HIV-1 on its surface, which is labeled with a second dye, in the presence of an excess of the agent under conditions which would normally permit the fusion of the CD4<sup>+</sup> cell to the cell expressing the HIV-1 envelope glycoprotein on its surface in the absence of the agent, the first and second dyes being selected so as to allow resonance energy transfer between the dyes;

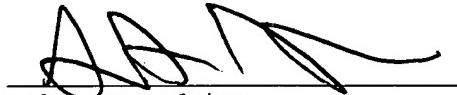
Applicants : Graham P. Allaway  
Serial No. : 08/973,601  
Filed : March 16, 1998  
Page 5

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- (b) exposing the product of step (a) to conditions which would result in resonance energy transfer if fusion has occurred; and
  - (c) determining whether there is a reduction of resonance energy transfer, when compared with the resonance energy transfer in the absence of the agent;
  - (d) contacting (i) a second appropriate CD4<sup>+</sup> cell, which is labeled with a first dye, with (ii) a cell expressing an HIV-1 envelope glycoprotein of a T cell-tropic isolate of HIV-1 on its surface, which is labeled with a second dye, in the presence of an excess of the agent under conditions which would normally permit the fusion of the CD4<sup>+</sup> cell to the cell expressing the HIV-1 envelope glycoprotein on its surface in the absence of the agent, the first and second dyes being selected so as to allow resonance energy transfer between the dyes;
  - (e) exposing the product of step (d) to conditions which would result in resonance energy transfer if fusion has occurred;
  - (f) determining whether there is a reduction of resonance energy transfer, when compared with the resonance energy transfer in the absence of the agent; and
  - (g) comparing the determination made in step (c) with the determination made in step (f), wherein a decrease in transfer in step (f) but not in step (c) indicates that the agent is capable of specifically inhibiting fusion of the T cell-tropic isolate of HIV-1 to CD4<sup>+</sup> cell, but not capable of specifically inhibiting the fusion of the macrophage-tropic primary isolate of HIV-1 to the CD4<sup>+</sup> cell.--

Applicants : Graham P. Allaway et al.  
Serial No. : Not Yet Known  
Filed : July 12, 2001  
Page 7

No fee, in addition to the enclosed filing fee of \$710.00, is deemed necessary in connection with the filing of this Preliminary Amendment. However, if any additional fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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